

Docket No.: 42P10307D

### AMENDMENTS TO THE CLAIMS

#### Listing of claims:

15. (Currently amended): A waveguide comprising:  
a first optical channel within the waveguide; and  
a first lithographically-defined marking on a surface of the waveguide indicative of the first optical channel within the waveguide;

wherein the first lithographically-defined marking is operative to assist in insertion of an optical fiber within the first optical channel.

16. (Currently amended): The waveguide of claim 15 further comprising:  
a second optical channel within the waveguide; and  
a second lithographically-defined marking on the surface of the waveguide indicative of the second optical channel within the waveguide;

wherein the second lithographically-defined marking is operative to assist in insertion of an optical fiber within the second optical channel.

17. (Original): The waveguide of claim 16, wherein the first lithographically defined marking and the second lithographically-defined marking are directly above the first optical channel and the second optical channel, respectively.

18. (Original): The waveguide of claim 17, wherein the first lithographically-defined marking and the second lithographically-defined marking are at an edge of the waveguide.

19. (Original): The waveguide of claim 18, wherein the waveguide comprises glass.

20. (Original): The waveguide of claim 18, wherein the waveguide comprises

Docket No.: 42P10307D  
Appl. No.: 10/672,329